

Calochortus striatus Parish (1902)**ALKALI MARIPOSA LILY**

FAMILY: *Liliaceae*, the lily family.

STATUS:

Heritage Program SENSITIVE LIST, ranks: G2 S1

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species in Nevada and California. **USFS:** Region 5 (California) Sensitive Species. **NNNPS:** watch list.

POPULATION CENSUS (NEVADA): **3 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 4 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals unknown**, total estimated **area 1.2+ ha (3.0+ ac)**.

TREND: unknown.

IMPACTS AND MAJOR THREATS (NEVADA): No summary available (see references).

INVENTORY EFFORT (NEVADA): Not yet systematically surveyed in Nevada. Most recent entered survey 1986, average year of last survey 1962. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 25%; **21-30 yrs:** 50%; **51+ yrs or unknown:** 25%.

LAND MANAGEMENT (NEVADA) in decreasing predominance: U. S. Bureau of Land Management, U. S. Fish and Wildlife Service, private lands (?).

RANGE: Clark and Nye counties, Nevada; also in CA. Maximum Nevada **range dimension 21.2 km (13.2 mi)** excluding most disjunct record. **Type specimen** collected in California, San bernardino County, Rabbit springs.

ELEVATIONS RECORDED (NEVADA): 2100-3700 feet (640-1128 meters).

HABITAT (NEVADA): Moist alkaline meadows around springs, creosote bush zone with *Distichlis spicata*, *Cleomella brevipes*, *Iva acerosa*, *Anemopsis californica*, *Dodecatheon pulchellum*, etc.

PHENOLOGY: flowering spring. Range of most frequent **survey months:** April-August.

LIFE-FORM AND HABIT: small perennial bulb.

DESCRIPTION: A perennial herb arising from an underground bulb. Stems are 1-5 dm tall. Flower petals are white to pale lavender, striped with purple. Blooms April-June. **Distinguishing features:** Can be distinguished from other *Calochortus* species by subumbellate inflorescence and the oblong shape of the petal gland (nectary).

PHOTOGRAPHS: Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.

ILLUSTRATIONS: Mozingo and Williams (1980).

OTHER GENERAL REFERENCES (listed separately): Hickman (1993), Skinner and Pavlik (1994).

SPECIFIC REFERENCES:

Fiedler, P. L. 1996. Rare lilies of California. Sacramento: California Native Plant Society Press. 154 pages.

Ownbey, M. 1940. A monograph of the genus *Calochortus*. *Annals of the Missouri Botanical Gardens* 27: 371-560.

OF FURTHER INTEREST: Element is located in springs and alkaline meadows.
